

What is claimed is:

1. A mounting structure of a tire monitoring device in which the tire monitoring device transmitting information of an inside of a tire by using radio waves is mounted on a conductive support core member which is placed within a cavity of a pneumatic tire and is formed in a hollow structure over a peripheral portion of a rim,

wherein the tire monitoring device is disposed on a sidewall of the support core member and a transmission antenna of the tire monitoring device is disposed outside of the support core member.

2. A mounting structure of a tire monitoring device in which the tire monitoring device transmitting information of an inside of a tire by using radio waves is mounted on a conductive support core member which is placed within a cavity of a pneumatic tire and is formed in a hollow structure over a peripheral portion of a rim,

wherein a load support surface in a peripheral portion of the support core member has a channel hollowed in an outside-to-inside direction, the tire monitoring device is disposed in the channel, and a transmission antenna of the tire monitoring device is disposed outside of the support core member.

3. The mounting structure of a tire monitoring device according to claim 1,

wherein the antenna comprises a conductive antenna base

and an insulating cover, and the antenna is stuck on an outer surface of the support core member.

4. The mounting structure of a tire monitoring device according to claim 2,

wherein the antenna comprises a conductive antenna base and an insulating cover, and the antenna is stuck on an outer surface of the support core member.

5. The mounting structure of a tire mounting device according to any one of claims 1 to 4, wherein the antenna is disposed on a load support surface in a peripheral portion of the support core member.